

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **TRACE LEVEL DETECTION OF ANALYTES USING ARTIFICIAL OLFACTOMETRY** the specification of which ___ is attached hereto or X was filed on June 17, 1999 as Application No. 09/336,428 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

| Country | Application No. | Date of Filing | Priority Claimed Under 35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
| | | | |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date |
|-----------------|---------------|
| 60/090,012 | June 19, 1998 |
| 60/091,179 | June 30, 1998 |

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|----------------|--------|
| | | |


POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Joseph R. Snyder, Reg. No. 39,381
William M. Smith, Reg. No. 30,223
Eugenia Garrett-Wackowski, Reg. No. 37,330

| | |
|---|---|
| Send Correspondence to: Joseph R. Snyder TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 | Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Joseph R. Snyder Reg. No.: 39,381 Telephone: 415-576-0200 |
|---|---|




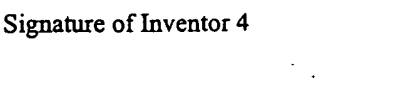
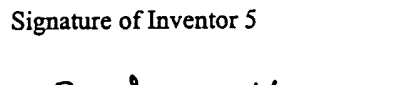
| | | | | |
|--------------------------|---|--|--|---------------------------|
| Full Name of Inventor 1: | Last Name: LEWIS | First Name: NATHAN | Middle Name or Initial: S. | |
| Residence & Citizenship: | City: La Canada | State/Foreign Country: California | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 5259 Gould Ave. | City: La Canada | State/Country: California | Postal Code: 91011 |
| Full Name of Inventor 2: | Last Name: SEVERIN | First Name: ERIK | Middle Name or Initial: J. | |
| Residence & Citizenship: | City: San Marino | State/Foreign Country: California | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 1440 Orlando Ave. | City: San Marino | State/Country: California | Postal Code: 91108 |
| Full Name of Inventor 3: | Last Name: WONG | First Name: BERNARD | Middle Name or Initial: | |
| Residence & Citizenship: | City: Los Angeles | State/Foreign Country: California | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 4846 Via Colina | City: Los Angeles | State/Country: California | Postal Code: 90042 |
| Full Name of Inventor 4: | Last Name: KELSO | First Name: DAVID | Middle Name or Initial: M. | |
| Residence & Citizenship: | City: Wilmette | State/Foreign Country: Illinois | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 741 Eighth Street | City: Wilmette | State/Country: Illinois | Postal Code: 60091 |
| Full Name of Inventor 5: | Last Name: MUNOZ | First Name: BETH | Middle Name or Initial: C. | |
| Residence & Citizenship: | City: Pasadena | State/Foreign Country: California | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 451 S. Oakland Ave. | City: Pasadena | State/Country: California | Postal Code: 91102 |

further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|---|---|--|
| Signature of Inventor 1  NATHAN S. LEWIS | Signature of Inventor 2 _____ ERIK J. SEVERIN | Signature of Inventor 3 _____ BERNARD WONG |
| Date <u>8/10/99</u> | Date | Date |
| Signature of Inventor 4 _____ DAVID M. KELSO | Signature of Inventor 5 _____ BETH C. MUNOZ | |
| Date | Date | |

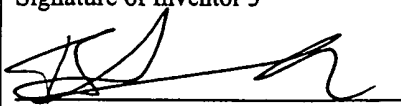
| | | | | |
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| Full Name of Inventor 2: | Last Name: SEVERIN | First Name: ERIK | Middle Name or Initial: J. | |
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| Full Name of Inventor 4: | Last Name: KELSO | First Name: DAVID | Middle Name or Initial: M. | |
| Residence & Citizenship: | City: Wilmette | State/Foreign Country: Illinois | Country of Citizenship: United States | |
| Post Office Address: | Post Office Address: 741 Eighth Street | City: Wilmette | State/Country: Illinois | Postal Code: 60091 |
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| | | |
|--|---|--|
| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
|  |  |  |
| NATHAN S. LEWIS | ERIK J. SEVERIN | BERNARD WONG |
| Date | Date 8/2/99 | |
| Signature of Inventor 4 | Signature of Inventor 5 | |
|  |  | |
| DAVID M. KELSO | BETH C. MUNOZ | |
| Date | Date 8/2/99 | |

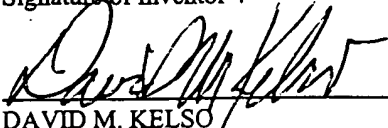
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| | | |
|--|--|---|
| Signature of Inventor 1 NATHAN S. LEWIS | Signature of Inventor 2 ERIK J. SEVERIN | Signature of Inventor 3  BERNARD WONG |
| Date | Date | Date 8-10-99 |
| Signature of Inventor 4 DAVID M. KELSO | Signature of Inventor 5 BETH C. MUNOZ | |
| Date | Date | |

| | | | | |
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| | | |
|--|---|--|
| Signature of Inventor 1 NATHAN S. LEWIS | Signature of Inventor 2 ERIK J. SEVERIN | Signature of Inventor 3 BERNARD WONG |
| Date | Date | Date |
| Signature of Inventor 4  DAVID M. KELSO | Signature of Inventor 5 BETH C. MUNOZ | |
| Date 8/4/99 | Date | |

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Nathan S. Lewis, of 5259 Gould Ave., La Canada, CA 91011, Erik J. Severin, of 1440 Orlando Ave., San Marino, CA 91108, Bernard Wong, of 4846 Via Colina, Los Angeles, CA 90042, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TRACE LEVEL DETECTION OF ANALYTES
USING ARTIFICIAL OLFACTOMETRY

Date(s) of execution of Declaration: August 10, 1999, August 2, 1999,
August 10, 1999

Filing Date: June 17, 1999

Application No.: 09/336,428; and

WHEREAS, California Institute of Technology, 1200 E. California Blvd., Mail Code 201-85, Pasadena CA 91125, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

09336428-051403

ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

05835277 .051401

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9/7/99


Nathan S. Lewis

Dated: _____

Erik J. Severin

Dated: _____

Bernard Wong

10475973550

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Nathan S. Lewis

Dated: 9/2/99

Erik Severin

Erik J. Severin

Dated: _____

Bernard Wong

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Nathan S. Lewis

Dated: _____

Erik J. Severin

Dated: 9-14-98 ^{kw}

Bernard Wong

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, David M. Kelso, of 741 Eighth Street, Wilmette, IL 60091, Beth C. Munoz, of 451 S. Oakland Ave., Pasadena, CA 91102, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TRACE LEVEL DETECTION OF ANALYTES
USING ARTIFICIAL OLFACTOMETRY

Date(s) of execution of Declaration: August 4, 1999, August 2, 1999

Filing Date: June 17, 1999

Application No.: 09/336,428; and

WHEREAS, Cyrano Sciences, Inc., located at 73 N. Vinedo Avenue, Pasadena, CA, 91107, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

09/336,428

Assignment

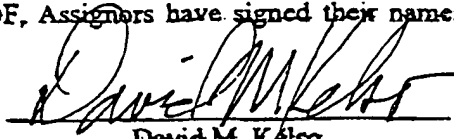
Attorney Docket No.: 18564-001920US

Page 2

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/6/00


David M. Kelso

Dated: 9/6/99


Beth C. Munoz

SF 1022897 v1

09855377 051403



18564-00192065
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
J. Snyder

MAY 19, 2000

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
JOSEPH R. SNYDER, ESQ.
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 101302742

ASSIGNMENT DUG 6-18-00M

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

1. THE COVER SHEET SUBMITTED TO CORRECT ERRORS IN THE PREVIOUSLY RECORDED DOCUMENT IS NOT ACCEPTABLE. TO CORRECT AN ERROR IN A RECORDED DOCUMENT, A CORRECTED COVER SHEET MUST BE ACCOMPANIED BY THE ORIGINALLY RECORDED DOCUMENT OR A COPY OF THE ORIGINALLY RECORDED DOCUMENT AND THE RECORDING FEE FOR THE CORRECTIONS AS SET FORTH IN 37 CFR 3.34.

ALLYSON PURNELL, EXAMINER

GEARBOX

50 MAY 2000

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JSnyder



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SEPTEMBER 13, 2000

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TOWNSEND AND TOWNSEND AND CREW LLP
JOSEPH R. SNYDER
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CA 94111-3834

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/27/2000

REEL/FRAME: 010941/0685
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MUNOZ, BETH C.

DOC DATE: 08/04/1999

ASSIGNOR:
KELSO, DAVID M.

DOC DATE: 08/02/1999

ASSIGNEE:
CYRANO SCIENCES, INC.
73 N. VINEDO AVENUE
PASADENA, CALIFORNIA 91107

SERIAL NUMBER: 09336428
PATENT NUMBER:

FILING DATE: 06/17/1999
ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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& CREW
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0185-00192005
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
JSnyder

SEPTEMBER 13, 2000

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
JOSEPH R. SNYDER, ESQ.
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834



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UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 06/27/2000

REEL/FRAME: 010941/0835
NUMBER OF PAGES: 11

BRIEF: CORRECTIVE COVER SHEET TO REMOVE THE FOURTH AND THE FIFTH ASSIGNORS NAME. AN ASSIGNMENT PREVIOUSLY RECORDED AT REEL 010178, FRAME 0132.

ASSIGNOR:

LEWIS, NATHAN S.

DOC DATE: 09/07/1999

ASSIGNOR:

SEVERIN, ERIK J.

DOC DATE: 09/02/1999

ASSIGNOR:

WONG, BERNARD

DOC DATE: 09/14/1999

ASSIGNEE:

CALIFORNIA INSTITUTE OF TECHNOLOGY
MAIL CODE 201-85
1200 E. CALIFORNIA BLVD.
PASADENA, CALIFORNIA 91125

SERIAL NUMBER: 09336428

FILING DATE: 06/17/1999

PATENT NUMBER:

ISSUE DATE:

.010941/0835 PAGE 2

LAWAN FLETCHER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

07-28-2000

Atto...ey Docket No. 018564-001920

FORM PTO-1595
(Rev. 6-93)

101415828

et U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Beth C. Munoz
David M. KelsoAdditional name(s) of conveying parties attached? ☐ Yes
☒ No.

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
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2. Name and address of receiving party(ies)

Name: Cyrano Sciences, Inc.

Internal Address:

Street Address: 73 N. Vinedo Avenue

City: Pasadena State: CA ZIP: 91107

Additional names and addresses attached? ☐ Yes ☒ No

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/336,428

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph R. Snyder, Esq.
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

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*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Joseph R. Snyder, Esq.
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Date

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10. Change Correspondence Address to that of Part 5? ☐ Yes ☒ No

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